

CONTENTS

Special issue: Microbial polysaccharides

Foreword	vii
The structure of the O-specific polysaccharide chain of the lipopolysaccharide of <i>Salmonella arizonae</i> O61 E.V. Vinogradov, A.S. Shashkov, Yu.A. Knirel, N.K. Kochetkov (Moscow, Russia), J. Dabrowski, H. Grosskurth (Heidelberg, Germany), E.S. Stanislavsky and E.V. Kholodkova (Moscow, Russia)	1
Structures of the O chains from lipopolysaccharides of <i>Campylobacter jejuni</i> serotypes O:23 and O:36 G.O. Aspinall, A.G. McDonald and H. Pang (Toronto, Canada)	13
On the solution properties of bacterial polysaccharides of the gellan family S. Campana (São Carlos, Brazil), J. Ganter (Curitiba, Brazil), M. Milas and M. Rinaudo (Grenoble, France)	31
Determination of the structure of the capsular antigen of <i>Escherichia coli</i> O8:K46:H30, using FABMS and 2D-NMR spectroscopy G.G.S. Dutton, A. Kuma-Mintah, S.K. Ng, H. Parolis (Vancouver, Canada), A. Dell and A. Reason (London, United Kingdom)	39
The structure of the O-specific polysaccharide from <i>Hafnia alvei</i> strain 38 lipopolysaccharide E. Katzenellenbogen, E. Romanowska, D. Witkowska (Wrocław, Poland) and A.S. Shashkov (Moscow, Russia)	51
Taxonomic implication of the apparent undetectability of 3-deoxy-D-manno-2-octulosonate (Kdo) in lipopolysaccharides of representatives of the family Vibrionaceae and the occurrence of Kdo 4-phosphate in their inner-core regions S. Kondo, Y. Haishima and K. Hisatsune (Saitama, Japan)	55
GLC-MS of reduced, acetylated, and methylated (2 → 4)- and (2 → 8)-linked disaccharides of 3-deoxy-D-manno-octulopyranosonic acid (Kdo) O. Holst, H. Brade (Borstel, Germany) and P. Kosma (Vienna, Austria)	65
Synthesis and preliminary characterisation of new esters of the bacterial polysaccharide gellan V. Crescenzi, M. Dentini, M. Segatori, C. Tiblandi (Rome, Italy), L. Callegaro and L. Benedetti (Padua, Italy)	73
Structure of the core oligosaccharide in the lipopolysaccharide isolated from <i>Aeromonas salmonicida</i> ssp. <i>salmonicida</i> D.H. Shaw, M.J. Hart (St. John's, Canada) and O. Lüderitz (Freiburg-Zähringen, Germany)	83
Re-investigation of the structure of the capsular polysaccharide of <i>Klebsiella</i> K15 using bacteriophage degradation and inverse-detected NMR experiments H. Parolis, L.A.S. Parolis and D.V. Whittaker (Grahamstown, South Africa)	93

Structure of the D-mannan of the pathogenic yeast, <i>Candida stellatoidea</i> ATCC 20408 (Type II) strain, in comparison with that of <i>C. stellatoidea</i> ATCC 36232 (Type I) strain H. Kobayashi, M. Takaku, Y. Nishidate, S.-i. Takahashi, M. Takikawa, N. Shibata and S. Suzuki (Miyagi, Japan)	105
Solution conformation and properties of the galactoglucan from <i>Rhizobium meliloti</i> strain YE-2(S1) A. Cesàro, G. Tomasi, A. Gamini, S. Vidotto and L. Navarini (Trieste, Italy)	117
Cyclic (1 → 2)-β-D-glucans (cyclosophorans) produced by <i>Agrobacterium</i> and <i>Rhizobium</i> species M. Hisamatsu (Kamihama, Japan)	137
Occurrence of 2,4-dihydroxy-3,3,4-trimethylpyroglutamic acid as an N-acyl substituent in the O-polysaccharide chain of the lipopolysaccharide of <i>Vibrio anguillarum</i> V-123 H. Eguchi, S. Kaya and Y. Araki (Hokkaido, Japan)	147
Structure of the O-polysaccharide chain of the lipopolysaccharide of <i>Vibrio anguillarum</i> V-123 H. Eguchi, S. Kaya, Y. Araki, N. Kojima (Hokkaido, Japan) and S.-i. Yokota (Hyogo, Japan)	159
The "pseudo double-helical" structure of the gel-forming capsular polysaccharide from <i>Rhizobium trifolii</i> E.J. Lee and R. Chandrasekaran (West Lafayette, IN, USA)	171
Selective removal of α-D-galactose side chains from <i>Rhizobium</i> capsular polysaccharide by guar α-D-galactosidase: effect on conformational stability and gelation M.J. Gidley, G. Eggleston and E.R. Morris (Bedford, United Kingdom)	185
Structure of the O-specific polysaccharide chain of the lipopolysaccharide of <i>Enterobacter agglomerans</i> Y. Karamanos, O. Kol, J.-M. Wieruszeski, G. Strecker, B. Fournet (Villeneuve d'Ascq, France) and R. Zalisz (Cergy-Pontoise, France)	197
Structures of the oligosaccharides obtained from the core regions of the lipopolysaccharides of <i>Bradyrhizobium japonicum</i> 61A101c and its symbiotically defective lipopolysaccharide mutant, JS314 R.W. Carlson and B.S. Krishnaiah (Athens, GA, USA)	205
Studies of model compounds for the analysis of ester-containing polysaccharides by the reductive-cleavage method J.S. Sherman and G.R. Gray (Minneapolis, MN, USA)	221
Structure of an acidic glycan from the reference strain for <i>Serratia marcescens</i> serogroup O22 D. Oxley and S.G. Wilkinson (Hull, United Kingdom)	237
The structure of a glycerol teichoic acid-like O-specific polysaccharide of <i>Hafnia alvei</i> 1205 E. Katzenellenbogen, E. Romanowska (Wrocław, Poland), N.A. Kocharova, Y.A. Knirel, A.S. Shashkov and N.K. Kochetkov (Moscow, Russia)	249
Characterization of structural defects in the lipopolysaccharides of symbiotically impaired <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> VF-39 mutants Y. Zhang, R.I. Hollingsworth (East Lansing, MI, USA) and U.B. Priefer (Bielefeld, Germany)	261

Structure of the exopolysaccharide produced by <i>Lactococcus lactis</i> subspecies <i>cremoris</i> H414 grown in a defined medium or skimmed milk M. Gruter, B.R. Leeftang (Utrecht, Netherlands), J. Kuiper (Vlaardingen, Netherlands), J.P. Kamerling and J.F.G. Vliegenthart (Utrecht, Netherlands)	273
<i>Pythium aphanidermatum</i> : culture, cell-wall composition, and isolation and structure of antitumour storage and solubilised cell-wall (1 → 3),(1 → 6)-β-D-glucans W. Blaschek (Kiel, Germany), J. Käsbauer, J. Kraus and G. Franz (Regensburg, Germany)	293
<i>Notes</i>	
Application of methylation analysis in the determination of the structure of disaccharides containing 2,3-diamino-2,3-dideoxy-D-glucose (GlcN3N) associated with the backbone of lipid A A.P. Moran (Borstel, Germany), D. Scholz (Vienna, Austria) and U. Zähringer (Borstel, Germany)	309
Mild acetolysis and NMR studies of the D-mannan of <i>Saccharomyces cerevisiae</i> X2180-1A wild-type strain H. Kobayashi, N. Shibata, M. Watanabe, M. Komido, N. Hashimoto, K. Hisamichi and S. Suzuki (Miyagi, Japan)	317
Structure of the polysaccharide S-84 elaborated by <i>Pseudomonas</i> ATCC 31562: depolymerisation using fuming hydrochloric acid P.-E. Jansson and G. Widmalm (Stockholm, Sweden)	325
Metabolic labelling and partial characterisation of a sulfoglycolipid in <i>Trypanosoma cruzi</i> trypomastigotes M.L. Uhrig, A.S. Couto, R.M. De Lederkremer (Buenos Aires, Argentina), B. Zingales and W. Colli (São Paulo, Brazil)	329
<i>Author index</i>	C1
<i>Subject index</i>	C3

